

Detailed Data Disposition Description -
River Forecast Center (RFC) Generated Grids
RFC to NCEP Dissemination
Updated: April 6, 2000

- A. 1hr and 6hr Aggregate Quantitative Precipitation Estimate (QPE) grids:

Data Requirement: River Forecast Centers (RFC) will use the WSR-88D precipitation estimates, rain gage reports, and satellite data to generate an optimal gridded analysis for 1hr and 6hr observation periods. Data is required to initialize RFC hydrologic models (NWSRFS), and will be used as input for the National Centers of Environmental Prediction (NCEP) Environment Modeling Center (EMC) model data assimilation schemes and to support the National Precipitation Verification Unit (NPVU) in Camp Springs, MD.

Data Details:

1hr QPE Grids: 48 cycles/day, 12 sectors (12 RFC areas of responsibility (AOR)), cropped RFC HRAP 4km grids (RFC AOR domain 2000x2000Km) 250Kb/grid. Total data volume of 1hr QPE grids disseminated over the AWIPS SBN will be 0.144GB/day (576 files/day).

6hr aggregate QPE Grids: 4 aggregate QPEs/day x 2 updates, 12 sectors (12 RFC areas of responsibility (AOR)), cropped RFC HRAP 4km grids (RFC AOR domain 2000x2000Km) 250Kb/grid. Total data volume of 6hr QPE grids disseminated over the AWIPS SBN will be 0.024Gb/day (96 files/day).

Data Path: QPE grids will be generated at the River Forecast Centers (RFC) and sent to the Network Control Facility (NCF) via the AWIPS WAN. From the NCF, the data will FTP'd to the NCEP/EMC through the OSO SV1 Server.

RFC QPE WMO Headers:

ZETA98 PACR	ZETA98 KKRF	ZETA98 KPTR	ZETA98 KSTR	ZETA98 KTUA
ZETA98 KALR	ZETA98 KMSR	ZETA98 KRHA	ZETA98 KTAR	
ZETA98 KFWR	ZETA98 KORN	ZETA98 KRSA	ZETA98 KTIR	

Notes:

1. WMO Headers: Reference AWIPS Change Notice NO. 0268A with effective date: February 28, 2000 - DRG RC 2460
DRG CM Page URL: <http://www.nws.noaa.gov/oso/oso1/oso11/oso112/drg/dgrpty.htm>
2. The same WMO Headers will be used for the 6-hour period and 24-hour period. The information needed to decode the GRIB product will be contained in the Product Description Section (PDS) within the GRID header to differentiate between 1 hour and 6 hour aggregate and manual and automated data types.
3. GRIB Center 9 tables detailing PDS values are located on the Office of Meteorology (OM) web page at URL: <http://www.nws.noaa.gov/om/notif.htm>

B. River Forecast Center (RFC) 6hr Quantitative Precipitation Forecast (QPF) Guidance:

Data Requirement: River Forecast Centers (RFC) will use guidance from Hydro-meteorological Prediction Center (HPC) and EMC model guidance to generate QPF grids. Data is required to support WFO and external customer needs (ex. Army Corps of Engineers, Bureau of Reclamation, etc.).

Data Details: 4 cycles/day, 12 sectors (12 RFC areas of responsibility (AOR)), 12-6hr time steps through 72 hrs, AWIPS 218 10km grids cropped to RFC AORs (80Kb/grid). Total data volume of 6hr QPF disseminated over the AWIPS SBN will be 0.048GB/day (576 files/day).

Data Path: QPF grids will be generated at the River Forecast Centers (RFC) and sent to the Network Control Facility (NCF) via the AWIPS WAN. From the NCF, the data will FTP'd to the NCEP/EMC through the OSO SV1 Server. RFC QPF grids will also be routed onto the SBN and ingested by the WFOs and RFCs.

RFC QPF WMO Headers:

Southeast RFC	West Gulf RFC	Missouri Basin RFC	North Central RFC
YEIG98 KALR	YEIG98 KFWR	YEIG98 KKRF	YEIG98 KMSR
YEIM98 KALR	YEIM98 KFWR	YEIM98 KKRF	YEIM98 KMSR
YEIN98 KALR	YEIN98 KFWR	YEIN98 KKRF	YEIN98 KMSR
YEIO98 KALR	YEIO98 KFWR	YEIO98 KKRF	YEIO98 KMSR
YEIP98 KALR	YEIP98 KFWR	YEIP98 KKRF	YEIP98 KMSR
YEIQ98 KALR	YEIQ98 KFWR	YEIQ98 KKRF	YEIQ98 KMSR
YEIR98 KALR	YEIR98 KFWR	YEIR98 KKRF	YEIR98 KMSR
YEIS98 KALR	YEIS98 KFWR	YEIS98 KKRF	YEIS98 KMSR
YEIS88 KALR	YEIS88 KFWR	YEIS88 KKRF	YEIS88 KMSR
YEIT98 KALR	YEIT98 KFWR	YEIT98 KKRF	YEIT98 KMSR
YEIT88 KALR	YEIT88 KFWR	YEIT88 KKRF	YEIT88 KMSR
YEIU98 KALR	YEIU98 KFWR	YEIU98 KKRF	YEIU98 KMSR

Lower Mississippi RFC	Northwest RFC	Middle Atlantic RFC	California-Nevada RFC
YEIG98 KORN	YEIG98 KPTR	YEIG98 KRHA	YEIG98 KRSA
YEIM98 KORN	YEIM98 KPTR	YEIM98 KRHA	YEIM98 KRSA
YEIN98 KORN	YEIN98 KPTR	YEIN98 KRHA	YEIN98 KRSA
YEIO98 KORN	YEIO98 KPTR	YEIO98 KRHA	YEIO98 KRSA
YEIP98 KORN	YEIP98 KPTR	YEIP98 KRHA	YEIP98 KRSA
YEIQ98 KORN	YEIQ98 KPTR	YEIQ98 KRHA	YEIQ98 KRSA
YEIR98 KORN	YEIR98 KPTR	YEIR98 KRHA	YEIR98 KRSA
YEIS98 KORN	YEIS98 KPTR	YEIS98 KRHA	YEIS98 KRSA
YEIS88 KORN	YEIS88 KPTR	YEIS88 KRHA	YEIS88 KRSA
YEIT98 KORN	YEIT98 KPTR	YEIT98 KRHA	YEIT98 KRSA
YEIT88 KORN	YEIT88 KPTR	YEIT88 KRHA	YEIT88 KRSA
YEIU98 KORN	YEIU98 KPTR	YEIU98 KRHA	YEIU98 KRSA

Colorado Basin RFC	Northeast RFC	Ohio RFC	Arkansas-Red Basin RFC
YEIG98 KSTR	YEIG98 KTAR	YEIG98 KTIR	YEIG98 KTUA
YEIM98 KSTR	YEIM98 KTAR	YEIM98 KTIR	YEIM98 KTUA
YEIN98 KSTR	YEIN98 KTAR	YEIN98 KTIR	YEIN98 KTUA
YEIO98 KSTR	YEIO98 KTAR	YEIO98 KTIR	YEIO98 KTUA
YEIP98 KSTR	YEIP98 KTAR	YEIP98 KTIR	YEIP98 KTUA
YEIQ98 KSTR	YEIQ98 KTAR	YEIQ98 KTIR	YEIQ98 KTUA
YEIR98 KSTR	YEIR98 KTAR	YEIR98 KTIR	YEIR98 KTUA
YEIS98 KSTR	YEIS98 KTAR	YEIS98 KTIR	YEIS98 KTUA
YEIS88 KSTR	YEIS88 KTAR	YEIS88 KTIR	YEIS88 KTUA
YEIT98 KSTR	YEIT98 KTAR	YEIT98 KTIR	YEIT98 KTUA
YEIT88 KSTR	YEIT88 KTAR	YEIT88 KTIR	YEIT88 KTUA
YEIU98 KSTR	YEIU98 KTAR	YEIU98 KTIR	YEIU98 KTUA

NOTE: The WMO headers reference AWIPS CHANGE NOTICE NO. 0275A with

EFFECTIVE DATE: MARCH 22, 2000 - DRG 2467

DRG CM Page URL: <http://www.nws.noaa.gov/oso/oso1/oso11/oso112/drg/drgrpty.htm>